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| Form PTO-1449<br><b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i> | Docket Number (Optional)<br><b>3040.5US (96-0970.05/US)</b> | Application Number<br><b>Not yet assigned</b> |
|   | Applicant <b>Raymond J. Beffa</b>                           |   |
|   | Filing Date <b>June 19, 2003</b>                            | Group Art Unit <b>Unknown</b>                 |

**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | NAME             | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|---------|------------------|-------|----------|-------------------------------|
| POM                 | 4,958,373       | 09/1990 | Usami et al.     |       |          |                               |
|                     | 4,967,381       | 10/1990 | Lane et al.      |       |          |                               |
|                     | 5,103,166       | 04/1992 | Jeon et al.      |       |          |                               |
|                     | 5,105,362       | 04/1992 | Kotani           |       |          |                               |
|                     | 5,217,834       | 06/1993 | Higaki           |       |          |                               |
|                     | 5,219,765       | 06/1993 | Yoshida et al.   |       |          |                               |
|                     | 5,226,118       | 07/1993 | Baker et al.     |       |          |                               |
|                     | 5,256,578       | 10/1993 | Corley et al.    |       |          |                               |
|                     | 5,271,796       | 12/1993 | Miyashita et al. |       |          |                               |
| V                   | 5,289,113       | 02/1994 | Meaney et al.    |       |          |                               |
| POM                 | 5,294,812       | 03/1994 | Hashimoto et al. |       |          |                               |

**FOREIGN PATENT DOCUMENTS**

|     | DOCUMENT NUMBER | DATE    | COUNTRY | CLASS | SUBCLASS | Translation |    |
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|     |                 |         |         |       |          | YES         | NO |
| POM | 05-074909       | 03/1993 | Japan   |       |          |             |    |
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**OTHER DOCUMENTS**

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Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

 Docket Number (Optional)  
**3040.5US (96-0970.05/US)**

 Application Number  
**Not yet assigned**
Applicant **Raymond J. Beffa**Filing Date **Jun 19, 2003**Group Art Unit **Unknown**
**U.S. PATENT DOCUMENTS**

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|---------------------|-----------------|---------|------------------|-------|----------|-------------------------------|
| <i>POT</i>          | 5,301,143       | 04/1994 | Ohri et al.      |       |          |                               |
|                     | 5,355,320       | 10/1994 | Erjavic et al.   |       |          |                               |
|                     | 5,420,796       | 05/1995 | Weling et al.    |       |          |                               |
|                     | 5,440,493       | 08/1995 | Doida            |       |          |                               |
|                     | 5,442,561       | 08/1995 | Yoshizawa et al. |       |          |                               |
|                     | 5,450,326       | 09/1995 | Black            |       |          |                               |
|                     | 5,467,304       | 11/1995 | Uchida et al.    |       |          |                               |
|                     | 5,483,175       | 01/1996 | Ahmad et al.     |       |          |                               |
|                     | 5,495,417       | 02/1996 | Fuduka et al.    |       |          |                               |
| ↓                   | 5,511,005       | 04/1996 | Abbe et al.      |       |          |                               |
| <i>POT</i>          | 5,537,325       | 07/1996 | Iwakiri et al.   |       |          |                               |

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| Applicant <b>Raymond J. Beffa</b>   |  | Filing Date <b>Jun 19, 2003</b>                             |  | Group Art Unit <b>Unknown</b>                 |  |

  

| U.S. PATENT DOCUMENTS |                 |           |              |               |          |                               |
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| EXAMINER<br>INITIAL   | DOCUMENT NUMBER | DATE      | NAME         | CLASS         | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|                       | POB             | 5,568,408 | 10/1996      | Maeda         |          |                               |
|                       |                 | 5,570,293 | 10/1996      | Tanaka et al. |          |                               |
|                       |                 | 5,726,074 | 03/1998      | Yabe          |          |                               |
|                       |                 | 5,787,190 | 07/1998      | Peng et al.   |          |                               |
|                       |                 | 5,801,965 | 09/1998      | Takagi et al. |          |                               |
|                       |                 | 5,828,778 | 10/1998      | Hagi et al.   |          |                               |
|                       |                 | 5,844,803 | 12/1998      | Beffa         |          |                               |
|                       |                 | 5,856,923 | 01/1999      | Jones et al.  |          |                               |
|                       |                 | 5,867,505 | 02/1999      | Beffa         |          |                               |
|                       |                 | 5,895,962 | 04/1999      | Zheng et al.  |          |                               |
| POB                   | 5,907,492       | 05/1999   | Akram et al. |               |          |                               |

  

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| EXAMINER | DATE CONSIDERED<br><div style="text-align: center; font-size: 1.5em;">1/7/07</div> |
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| Applicant <b>Raymond J. Beffa</b>   |  | Filing Date <b>June 19, 2003</b>                            |  | Group Art Unit <b>Unknown</b>                 |  |

  

| U.S. PATENT DOCUMENTS |                 |         |                 |       |          |                               |
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| EXAMINER<br>INITIAL   | DOCUMENT NUMBER | DATE    | NAME            | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|                       | 5,915,231       | 06/1999 | Beffa           |       |          |                               |
|                       | 5,927,512       | 07/1999 | Beffa           |       |          |                               |
|                       | 5,963,881       | 10/1999 | Kahn et al.     |       |          |                               |
|                       | 5,991,699       | 11/1999 | Kulkarni et al. |       |          |                               |
|                       | 6,000,830       | 12/1999 | Asano et al.    |       |          |                               |
|                       | 6,018,686       | 01/2000 | Orso et al.     |       |          |                               |
|                       | 6,049,624       | 04/2000 | Wilson et al.   |       |          |                               |
|                       | 6,067,507       | 05/2000 | Beffa           |       |          |                               |
|                       | 6,072,574       | 06/2000 | Zeimantz        |       |          |                               |
|                       | 6,100,486       | 08/2000 | Beffa           |       |          |                               |
| PSM                   | 6,122,563       | 09/2000 | Beffa           |       |          |                               |

  

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| EXAMINER<br>INITIAL   | DOCUMENT NUMBER | DATE    | NAME         | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|                       | POM 6,147,316   | 11/2000 | Beffa        |       |          |                               |
|                       | 6,208,947 B1    | 03/2001 | Beffa        |       |          |                               |
|                       | 6,259,520 B1    | 07/2001 | Zelmantz     |       |          |                               |
|                       | 6,363,329 B2    | 03/2002 | Beffa        |       |          |                               |
|                       | 6,373,566 B2    | 04/2002 | Zelmantz     |       |          |                               |
| POM                   | 6,441,897 B1    | 08/2002 | Zelmantz     |       |          |                               |
|                       | 6,553,276 B2    | 04/2003 | Akram et al. |       |          |                               |
|                       |                 |         |              |       |          |                               |
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